



# VIT<sup>®</sup>

## Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

**SCHOOL OF INFORMATION TECHNOLOGY AND ENGINEERING**

**SMARTBRIDGE ASSIGNMENT – 3**

**Modern Application Development(Java Spring Boot)**

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**PROGRAMME:M.TECH(INTEGRATED)SOFTWARE  
ENGINEERING**

## **Retrive Data Using JDBC:**

### **Code:**

```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class JDBC_connect {

    public static void main(String args[]) {

        try {

            Class.forName("com.mysql.jdbc.Driver");

            Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst",

"root", "Priya");

            Statement stmt = con.createStatement() ;

            ResultSet rs = stmt.executeQuery("select * from

company");

            while (rs.next()) {

                System.out.println(rs.getInt(1) + " " +

rs.getString(2) + " "+rs.getString(3));

            }

        }

    }

}
```

```

        System.out.println("Successfully Connected!");

        con.close();

    }

    catch (Exception e) {

    }

}

```

## Output :

```

mysql_jdbc.java X
1 import java.sql.Connection;
2 import java.sql.DriverManager;
3 import java.sql.ResultSet;
4 import java.sql.Statement;
5
6 public class mysql_jdbc {
7     public static void main(String args[]) {
8         try {
9             Class.forName("com.mysql.jdbc.Driver");
10            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst", "root", "Anusha@123");
11            Statement stmt = con.createStatement();
12            ResultSet rs = stmt.executeQuery("select * from employee");
13            while (rs.next()) {
14                System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " + rs.getString(3));
15            }
16
17            //System.out.println("Successfully Connected!");
18            con.close();
19        }
20        catch (Exception e) {
21
22        }
23    }
24 }

```

Problems Javadoc Declaration Console X Coverage

<terminated> mysql\_jdbc [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.5.v20221102-0933\jre\bin\javaw.exe (

Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automat

```

1 anu engineer
2 moni manager
3 ramya sales

```

## Update Data Using JDBC :

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;


public class mysql_jdbc {

    public static void main(String args[]) {

        try {

            Class.forName("com.mysql.jdbc.Driver");

            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst",
"root", "Anusha@123");

            Statement stmt = con.createStatement() ;

            int r = stmt.executeUpdate("insert into
employee(emp_id,ename,job_decs,salary)
values(4,\"priya\", \"engineer\",50000)");

            if(r>0)

            {

                System.out.println("Successfully Updated");

            }

            ResultSet rs = stmt.executeQuery("select * from
employee");
```

```
        while (rs.next()) {  
            System.out.println(rs.getInt(1) + " " +  
rs.getString(2) + " "+rs.getString(3));  
        }  
        con.close();  
    }  
    catch (Exception e) {  
        System.out.println(e.toString());  
    } }  
}
```

**Output:**

```
mysql_jdbc.java X
1 import java.sql.Connection;
2 import java.sql.DriverManager;
3 import java.sql.ResultSet;
4 import java.sql.Statement;
5
6 public class mysql_jdbc {
7     public static void main(String args[]) {
8         try {
9             Class.forName("com.mysql.jdbc.Driver");
10            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/logicfirst", "root", "Anusha@123");
11            Statement stmt = con.createStatement();
12            int r = stmt.executeUpdate("insert into employee(emp_id,ename,job_desc,salary) values(4,\"priya\", \"engineer\",50000)");
13            if(r>0)
14            {
15                System.out.println("Successfully Updated");
16            }
17            ResultSet rs = stmt.executeQuery("select * from employee");
18            while (rs.next()) {
19                System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " + rs.getString(3));
20            }
21            con.close();
22        }
23        catch (Exception e) {
24
25        }
26    }
27 }
```

Problems @ Javadoc Declaration Console Coverage

<terminated> mysql\_jdbc [Java Application] C:\Users\lenovo\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.5.v20221102-0933\jre\bin\javaw.exe (Jun 7, 2022 10:00:00 AM)  
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically loaded via the classpath at runtime, please use the latest MySQL driver if its not already in your classpath.  
Successfully Updated  
1 anu engineer  
2 moni manager  
3 ramya sales  
4 priya engineer

## Before Insert:

create table my sql 12 company SQL File 4\*

Limit to 1000 rows

```
2 use logicfirst;
3 create table employee(
4     com_id int primary key,
5     com_name varchar(15),
6     job_desc varchar(3),
7     salary int (3));
8 Describe employee;
9 insert into employee values(1,"anu","engineer",1000000),(2,"moni","manager",3000000),(3,"ramya","sales",290000);
10 select*from employee;
11
```

Result Grid

emp_id	ename	job_descs	salary
1	anu	engineer	1000000
2	moni	manager	3000000
3	ramya	sales	290000
*	NULL	NULL	NULL

Form Editor

## After Insert :

The screenshot shows a SQL IDE window with a script editor and a result grid. The script editor contains the following SQL commands:

```
2 • use logicfirst;
3 • create table employee(
4   com_id int primary key,
5   com_name varchar(15),
6   job_desc varchar(3),
7   salary int (3));
8 • Describe employee;
9 • insert into employee values(1,"anu","engineer",1000000),(2,"moni","manager",3000000),(3,"ramya","sales",290000),(4,"priya","engineer",50000);
10 • select*from employee;
```

The result grid displays the data inserted into the 'employee' table. It has four columns: emp\_id, ename, job\_descs, and salary. The data is as follows:

emp_id	ename	job_descs	salary
1	anu	engineer	1000000
2	moni	manager	3000000
3	ramya	sales	290000
4	priya	engineer	50000
5	NULL	NULL	NULL